

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-52. CANCELLED

53. (Currently Amended) A method, comprising:

receiving a ~~haptic-feedback signal~~ host command at a haptic-feedback device ~~[[to output]]~~, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen; [[and]]

determining, with said haptic feedback device, whether said host command includes a filter command having a command parameter, said command parameter including information operated upon by said haptic feedback device to selectively filtering the modify said input data to define modified input data, based on the haptic-feedback signal to reduce visual disturbance to reduce visual disturbances of the graphical object in the graphical environment when the haptic-feedback device outputs the haptic feedback force;

producing said modified input data in response to said filter command being present; and transmitting said modified input data to said graphical environment.

54. CANCELLED

55. (Currently Amended) A method, comprising:

receiving a ~~haptic feedback signal~~ host command at a haptic-feedback device, wherein the ~~haptic feedback device outputs a haptic feedback force upon receiving the haptic feedback signal~~, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen; [[and]]

determining, with said haptic feedback device, whether said host command includes a filter command having a command parameter, said command parameter including information operated upon by said haptic feedback device to selectively filtering modify the input data to define modified input data ~~from the haptic feedback device upon the haptic feedback device receiving the haptic feedback signal by time averaging the input data to create filtered input data, wherein the haptic feedback device provides the filtered input data to control a graphical object with reduced visual disturbance in a graphical environment shown on a display screen when the haptic feedback force is output by the haptic feedback device;~~

producing said modified input data by time-averaging said input data; and

transmitting the modified input data to the graphical environment to reduce visual disturbances of the graphical object.

56. (Currently Amended) A method, comprising:

receiving a ~~haptic feedback signal~~ host command at a haptic-feedback device **[[to output]]**, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen; and

determining, with said haptic feedback device, whether said host command includes a filter command having a command parameter, said command parameter including information operated upon by said haptic feedback device to selectively filtering modify the input data to define modified input data to produce a held data value, the filtering including sampling and holding data based on a movement of the haptic feedback device without the output of the haptic feedback force to reduce visual disturbance of the graphical object in the graphical environment when the haptic feedback device outputs the haptic feedback force;

producing said modified input data by sampling and holding information corresponding to movement of the haptic-feedback device; and

transmitting the modified input data to the graphical environment to reduce visual disturbances of the graphical object.

57-60. CANCELLED

61. (Currently Amended) A method, comprising:

receiving a ~~haptic-feedback signal~~ host command, having a command identifier and a command parameter, at a haptic-feedback device;

outputting a haptic-feedback force from the haptic-feedback device based on the ~~haptic-feedback signal~~ host command;

~~generating sensor data in response to sensing movement of the haptic feedback device;~~

determining, with said haptic feedback device, whether said command parameter includes a filter command selected from a set of filter commands being one of activating a filter routine

and disabling said filter routine, with said filter routine being one of having a jolt filter routine, a vibration filter routine and a spatial filter routine;

modifying said input data in response to said command parameter to define modified input data ~~electively filtering the sensor data according to a disturbance filter process including time averaging the sensor data, the disturbance filter process being associated with the haptic feedback signal, wherein filtering the sensor data is configured to reduce visual disturbance to a graphical object in a graphical environment shown on a display screen when the haptic feedback device outputs the haptic feedback force; and~~

transmitting the modified input data to the graphical environment to reduce visual disturbances of the graphical object; and

updating the graphical environment based on the filtered sensor data.

62-68. CANCELLED

69. (Currently Amended) The method of claim 53, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

70. CANCELLED

71. (Currently Amended) The method of claim 53, wherein the ~~filtering of the input data~~ determining is performed by a processor local to the haptic-feedback device.

72. CANCELLED

73. CANCELLED

74. (Currently Amended) The method of claim 53, wherein the ~~filtering~~ determining further includes sampling the input data over time according to a sampling rate.

75. (Currently Amended) The method of claim 53, wherein the ~~filtering~~ determining further includes time-averaging the input data.

76. (Currently Amended) The method of claim 53, wherein the ~~filtering~~ determining further includes sampling and holding a data value derived from the input data based on a movement of the haptic-feedback device to produce a held data value.

77. (Currently Amended) The method of claim 53, wherein the ~~filtering~~ determining further includes executing a driver on a processor ~~configured to be in communication with the~~ haptic-feedback device.

78. (Currently Amended) The method of claim 53, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

79. (Currently Amended) The method of claim 55, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

80. CANCELLED

81. (Currently Amended) The method of claim 55, wherein the ~~filtering of the input data~~ determining is performed by a processor local to the haptic-feedback device.

82. CANCELLED

83. CANCELLED

84. (Currently Amended) The method of claim 55, wherein the ~~filtering~~ determining further includes executing a driver on a processor ~~configured to be in communication with the~~ haptic-feedback device.

85. (Currently Amended) The method of claim 55, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

86. (Currently Amended) The method of claim 56, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

87. CANCELLED

88. (Currently Amended) The method of claim 56, wherein the ~~filtering of the input~~
~~data~~ determining is performed by a processor local to the haptic-feedback device.

89. CANCELLED

90. CANCELLED

91. (Currently Amended) The method of claim 56, wherein the ~~filtering~~ determining
further includes executing a driver on a processor ~~configured to be in communication with the~~
haptic-feedback device.

92. (Currently Amended) The method of claim 56, further comprising updating a
position of the graphical object in the graphical environment based on the modified input data.

93. (Currently Amended) The method of claim 61, further comprising determining a
position of the graphical object in the graphical environment based on the ~~sensor~~ modified input
data.

94. CANCELLED

95. (Currently Amended) The method of claim 61, wherein the ~~filtering of the sensor~~
~~data~~ determining is performed by a processor local to the haptic-feedback device.

96. CANCELLED

97. CANCELLED

98. (Currently Amended) The method of claim 61, wherein ~~the filtering~~ determining further includes executing a driver on a ~~computer configured to be~~ processor in ~~communication~~ with the haptic-feedback device.

99. (Currently Amended) The method of claim 61, further comprising updating a position of the graphical object in the graphical environment based on the ~~sensor~~ modified input data.

100. CANCELLED

101. CANCELLED